

LARGE POND TEST WELLS
 1 1/2 H.P. 230 V. F.L.A. 11.2

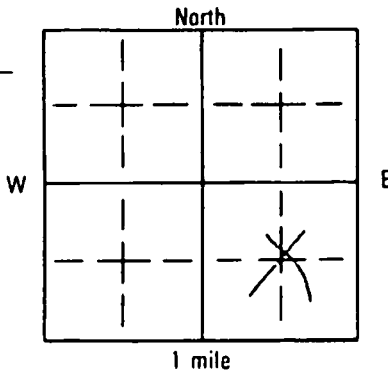
TEST WELL #1
 MEG & RUN TESTS

	1988	1989					1988	1989				
JAN		10.0 A 209m						10.4 A 209m				
FEB		11 Amps —						10.5 A —				
MAR		11.2 Amps 609m						10.9 Amp 607m				
APR.		10.9 A 609m						11.1 A 607m				
MAY		11.1 A 507m						11.0 Amp 607m				
JUNE		11.0 Amps 609m						10.9 Amp 607m				
JULY		10.5 A 609m						10.5 A 607m				
AUG		11.2 Amps 607m						10.4 Amp 607m				
SEPT.	11.1 A 317m						10.9 A 357m					
OCT	10.1 A 357m						10.9 A 407m					
NOV	10.8 A 357m						11.1 457m					
DEC	11.0 A 457m						11.2 507m					

TEST WELL #2
 MEG & RUN TESTS

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SE 1/4 Sec 6 Twp 4N Rg 4ECounty LawrencePlease mark well
location with
an "X"Well Completion Date 6-17-88

PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☒ Industrial ☐ Stock

Method of Drilling:

Downhole Hammer Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ Manufactured (eq. Hole)Diameter 6.0 IN Length 40 FEETMaterial Steel galv. screen.Slot Size 0.030 Set From 20 Feet To 60 Feet each Hole

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information Steel Plate Bottom ofScreen, each hole.Was a packer or seal used? ☒ YES ☐ NOIf so, what material? Bentonite Pellets + grout

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Brahm Mining Co.Address Gilt Edge Site

Well Log: _____

Depth _____

Formation _____

Hole #1

Drift (Suck FILL) 0 35

Quartzite, grey 35 60

(PRE-Cambrian)

Hole #2 (Suck FILL)

Drift (Back FILL) 0 38

Quartzite, grey 38 60

(PRE-Cambrian)

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Hole #1 - 29 gpm☐ Bailed Hole #2 - 29 gpm☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

Each Hole16" - 20" - 1250 wall steelopen void. casing5' grout.5' Bentonite3/8" Pea gravel15' to 60'40' - 6" galv. screen.030 slot.This well was drilled under license # 324

And this report is true and accurate.

Drilling firm Alexander Drilling Co.

Signature of License Representative:

R. Alexander

Signature of Well Owner:

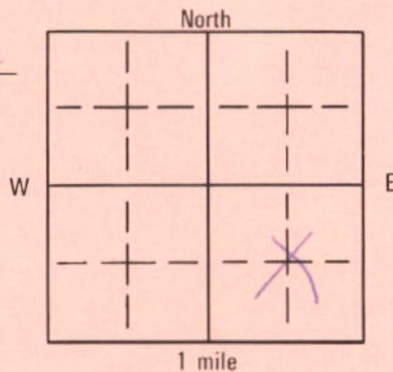
Date _____

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SE 1/4 Sec 6 Twp 4N Rg 4ECounty Lawrence

Please mark well location with an "X"

Well Completion Date 6-17-88

PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☒ Industrial ☐ Stock

Method of Drilling:

Downhole Hammer Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ Manufactured (e.g. Hole)Diameter 6.0 IN Length 40' FEETMaterial Steel galv. screen.Slot Size 1030 Set From 20 Feet To 60 Feet each Hole

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information Steel Plate Bottom of Screen, each hole.Was a packer or seal used? ☒ YES ☐ NOIf so, what material? Bentonite Pellets + grout

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Brehm Mining Co.Address Gilt Edge Site

Well Log: _____

Depth _____

Formation _____

Hole #1

Drift (Back Fill) 0 35

Quartzite, grey. 35 60

(PRE-Cambrian)

Hole #2 (Back Fill)

Drift (Back Fill) 0 38

Quartzite, grey. 38 60

(PRE-Cambrian)

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Hole #1 - 29gpm☐ Bailed Hole #2 - 29gpm☐ Other _____

Describe: _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

Each Hole - 20' - 1250 wall steel5' open void. casing5' grout5' Bentonite3/8" Pea gravel15' to 60'40' - 6" galv. screen1030 slot10"This well was drilled under license # 324

And this report is true and accurate.

Drilling firm Alexander Drilling Co.

Signature of License Representative:

Roy Alexander Jr.

Signature of Well Owner:

Date _____

RECEIVED

JUL 13 80

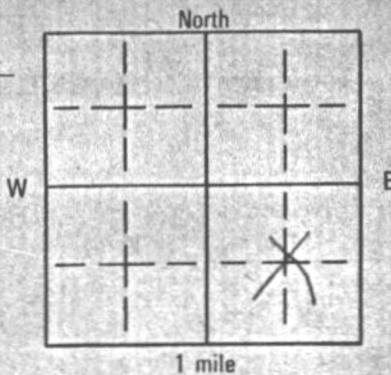
Accounts Payable

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location SE 1/4 Sec 6 Twp 4N Rg 4ECounty Lawrence

Please mark well location with an "X"

Well Completion Date 6-17-88

PROPOSED USE:

☐ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☒ Industrial ☐ Stock

Method of Drilling:

Downhole Hammer Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NO

To what depth? _____ FEET

What is grouting material? _____

If cement, number of sacks? _____

Describe grouting procedure _____

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ Manufactured (e.g. Hole)Diameter 6.0 IN Length 40 FEETMaterial Steel galv. screenSlot Size 1030 Set From 20 Feet To 60 Feet each Hole

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information Steel Plate Bottom of Screen, each holeWas a packer or seal used? ☒ YES ☐ NOIf so, what material? Bentonite Pellets + Grout

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☐ NO

Laboratory sent to _____

Well Owner:

Name Brahm Mining Co
Gilt Edge Site

Address _____

Well Log:

Depth

Formation

From

To

Hole #1

Drift (Back Fill)035Quartzite, grey3560(PRE-Cambrian)Hole #2 (~~Back Fill~~)Drift (Back Fill)038Quartzite, grey3860(PRE-Cambrian)

STATIC WATER LEVEL _____ Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other, specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Developed w/AIR Hole #1 - 29 gpm
Hole #2 - 29 gpm☐ Bailed

Describe: _____

☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

16" - 30' - 1250 wall steel
5' open void. casing
5' grout
5' Bentonite
3/8" Pea gravel
15' to 60'
40' - 6" galv. screen
1030 slot

This well was drilled under license # 324

And this report is true and accurate.

Drilling firm Alexander Drilling Co

Signature of License Representative:

Roy Alexander Jr.

Signature of Well Owner:

Date _____

$$a_1 = 53.11$$

$$b_1 = 1644.14$$

$$b_2 = 31.46$$

$$31.46$$

